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Joint Program Executive Office for Chemical and Biological Defense

Pine Bluff Arsenal Overview

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Manufacturing – A Joint Service Portfolio

CB Defense

- Filtration
- Protective Equipment
- Test Apparatus
- Operator & Maintenance Training
- Decontamination

Sole Producer M295

Surveillance

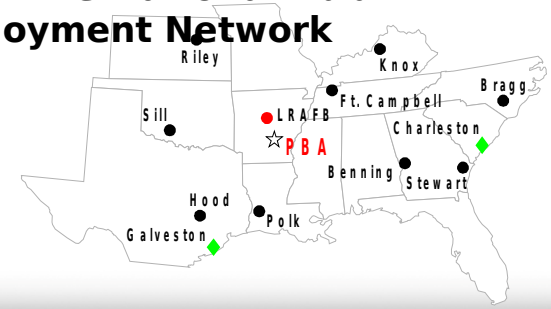
- Quality assurance surveillance & shelf life testing of Chemical Defense Equipment
  - New State-of-Art Facility
  - Surety Certified
  - Security w/IDS
  - Filter, decon & suit testing

Maintenance

- Only Arsenal with Major Storage & Maintenance Functions
- Multi-Commodity Maintenance Capability
  - Ammo Rework & Download
  - CB Defense Storage & Maintenance
  - Soldier Systems Storage & Maintenance
- Fully Equipped Machine Shop
- Unmatched Environment Capacity
  - RCRA Permitted Activities
  - Liquid Waste Storage Capacity
  - 85+ Air Permitted Sources

Strategic Location

- Adjacent Navigable Waterway, Rail & Interstate
- 42 Mi to National Airport (Little Rock)
- Close Proximity to LRAFB (Largest C-130 Fleet)
- 3 Hrs to FedEx International Hub
- Excellent Deployment Network



Life Cycle Management Capabilities

Concept:
- Rapid Prototyp
- Concept Prove
- Engineering Se
- Materials Selec

Development Support:
- Producibility Studies
- Survivability Assessment
- Engineering Changes
- Test Quantity Production

Testing:
- Live Agent Testing
- Environmental Testing
- Package Survival
- Performance

Training:
- On Site Courses
- Remote Teams
- Operator Certification
- Equipment Certification
- C&M Training

Surveillance:
- Shelf Life
- Inventory Control
- Maintenance Database

Reconditioning:
- Overhaul
- Refurbish
- Upgrade
- Reclaim

Demil:
- On-si
- Off-si

Intiation	Concept	Development	Testing	Production	Logistics	Training	Surveillance	Reconditioning	Demil

Production:
- Specialty Chemicals
- Non-Lethal
- Smoke / Illum Mortars
- Individual Protection
- Collective Protection
- Decontamination
- Custom Fabrication

Logistics:
- Quick Response
- Secure Storage
- Conditioned Storage
- World Wide Service

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Engineering Development Capability

Producibility:

- TDP Prove-out, Prototyping
- Root Cause Analysis
- Product Improvement
- LRIP
- Manufacturing Scale-up
- Technology Transfe

- ✓ ISO 14001
- ✓ ISO 9001
- ✓ OHSAS 18000

Engineering:

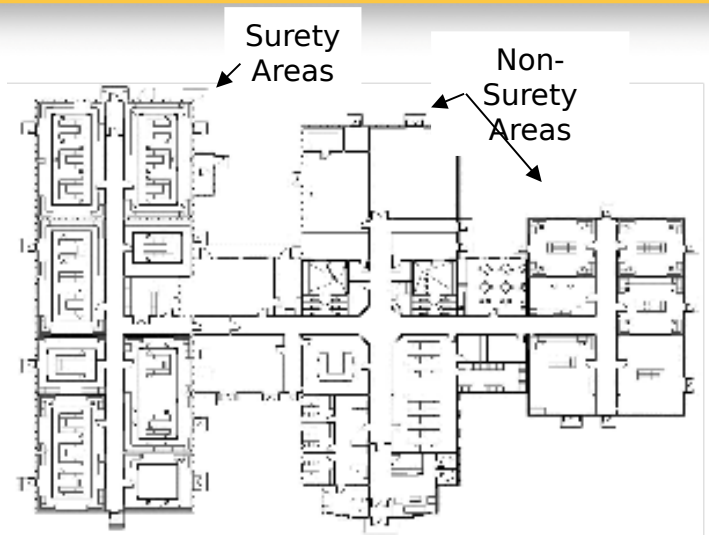
- Drafting
- 3D Printing
- Process Design
- Continuous Process Improvement
- Concurrent Engineering
- Cost Estimation

Test and Evaluation

- Diagnostics & Measurement
- Environmental Chambers +160°F to -65°F; RH 0 – 100%
- Transportation/Vibration
  - Secure Cargo (temperature and humidity controlled)
  - Slip Table & Loose Cargo
- Package Drops

Chemical Biological Evaluation Capability

- 33,196 square feet of facility space
- 14 working labs w/ 70 fume hoods



PLT/SLT Certified Testing Capabilities

1	Protective Fabrics (i.e. JSLIST Suits), Gloves, Boots • Chemical Agent Resistance Testing
2	M61 Filters and C2A1 Canisters • DMMP and CK Testing • Smoke Penetration and Resistance Testing
3	M295 and M100 Decontamination Kits • Flow-ability Testing • System Capability Testing • Reactivity Testing • Leak Testing

Potential Requirements—2-5 Years

- **Design, Fabrication, and Installation of Process Equipment for HX Grenade**
- **Removal & Disposition of Excess Equipment**
- **Design**
  Installa **tal**
  Equipn